



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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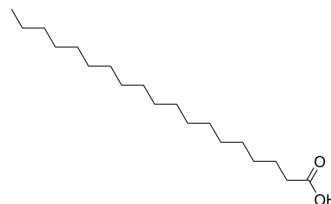
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## Nonadecanoic acid

<b>Cat. No.:</b>	HY-W004261		
<b>CAS No.:</b>	646-30-0		
<b>Molecular Formula:</b>	C <sub>19</sub> H <sub>38</sub> O <sub>2</sub>		
<b>Molecular Weight:</b>	298.5		
<b>Target:</b>	Endogenous Metabolite		
<b>Pathway:</b>	Metabolic Enzyme/Protease		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (335.01 mM; ultrasonic and warming and heat to 60°C)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	<b>Preparing Stock Solutions</b>	1 mM	3.3501 mL	16.7504 mL	33.5008 mL
		5 mM	0.6700 mL	3.3501 mL	6.7002 mL
		10 mM	0.3350 mL	1.6750 mL	3.3501 mL
Please refer to the solubility information to select the appropriate solvent.					
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (8.38 mM); Clear solution  2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (8.38 mM); Clear solution				

### BIOLOGICAL ACTIVITY

<b>Description</b>	Nonadecanoic acid is a 19-carbon long saturated fatty acid. Nonadecanoic acid is the major constituent of the substance secreted by <i>Rhinotermes marginalis</i> to defence <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	Microbial Metabolite

### REFERENCES

[1]. S.Blum, et al. Biochemistry of termite defenses: Coptotermes, rhinotermes and Cornitermes species. Comparative Biochemistry and Physiology Part B: Comparative

**Caution: Product has not been fully validated for medical applications. For research use only.**

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